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## General information

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This document contains descriptions, installation and operating procedures, ordering information, and specifications for the Buffer Interface/Protocol Converter (BIPC).

Before starting the Buffer Interface/Protocol Converter (BIPC) installation, coordination with LODGISTIX or your In House System (IHS) is necessary. The IBM series 1 hardware and software must be modified as per specifications from LODGISTIX or IHS for PBX Interface. Operating without the correct modifications may cause the Buffer Interface/Protocol Converter (BIPC) to fail or damage the hardware.

The BIPC provides the necessary interface and communication protocol for connecting a customer-provided Property Management System (PMS) through a Serial Data Interface (SDI) port to the switch. The PMS could consist of a LODGISTIX or In House System (IHS) computer.

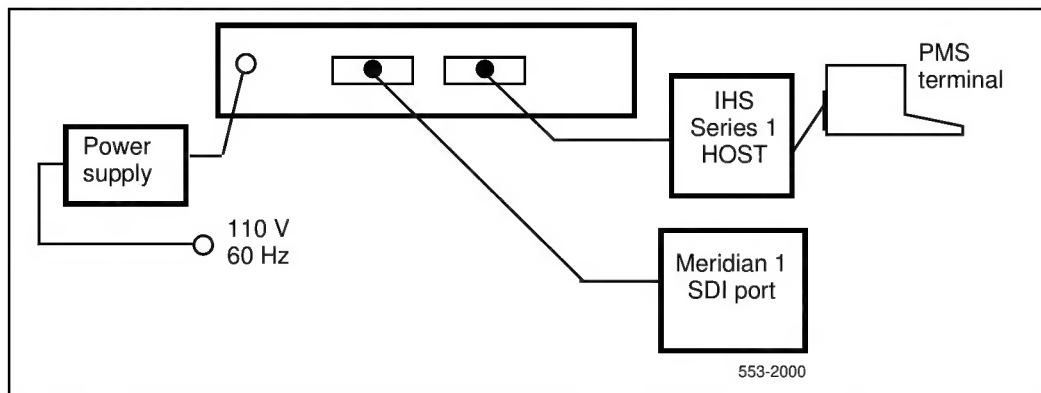
When installed ([Figure 1](#)), the BIPC provides

- two bidirectional, RS-232-C ports for connecting to a Serial Data Interface (SDI) port on one side, and the Property Management System (PMS) data port on the other side
- data buffering at both ports for the transfer of serial message data between the Meridian 1 and the Property Management System (PMS)
- the communication protocol required to automate communication between the Meridian 1 and PMS

**Note:** In this document, Meridian 1 refers to SL-1 systems as well as the Meridian 1 system options available with X11 Release 15 and later.

You can use the BIPC with all Meridian 1 systems. A typical application is for Room and Maid Status control on a system equipped with the hospitality features.

**Figure 1**  
**Simplified BIPC installation diagram**



## Test equipment

The following test equipment is recommended for installation and troubleshooting:

- 1 Async datascope
- 1 ASCII terminal or TTY

## References

Refer to the following publications for details concerning hospitality features:

- *Background Terminal Facility*
- *X11 features and services*
- *X11 Software input/output guide*

For details of the standards and specifications referred to in this document, consult the following documents:

- EIA Standard RS-232-C  
Interface between Data Terminal Equipment (DTE) and Data Communication Equipment (DCE) employing serial binary data interchange
- CCITT Recommendation V.24  
List of definitions for interchange circuits between Data Terminal Equipment (DTE) and Data Circuit-terminating Equipment (DCT)
- ISO Standard 2110-1980  
Data Communication, 25-pin DTE/DCE interface connector and pin assignments

**Note:** EIA RS-232-C and CCITT V.24 are equivalent standards.